

- (G) WPI / DERWENT
N - 1980-83722C [47]
PR - JP19790039208 19790330
TI - Working fluid for Rankine cycle - comprises greater than one poly:fluoro-organic cpd.
IW - WORK FLUID RANKINE CYCLE COMPRISE GREATER ONE POLY FLUORO ORGANIC COMPOUND
PA - (DAIKIN) DAIKIN KOGYO KK
PN - JP55131096 A 19801011 DW198047 000pp
- JP61026832B B 19860623 DW198629 000pp
IC - C09K5/00 ; C10M3/24 ; F01K25/00
AB - J55131096 Working fluid comprises >=1 polyfluoroorganic cpd. selected from perfluorobutane, 1-hydro-heptafluoropropane, 1,4-dihydro-octafluorobutane, 1-hydro-nonafluorobutane, n-perfluoropentane, iso-perfluoropentane, neo-perfluoropentane, perfluorodimethylamine, perfluoromethyldiethylamine, perfluoro-1,3-dimethylcyclobutane, n-perfluorohexane, perfluorodipropylether, iso-perfluorohexane, perfluoro-N-methylmorpholine, 1-chloro-4-hydrooctafluorobutane, 1,4-dichloro-1-hydro-heptafluorobutane, perfluorocyclohexane, perfluoro-2-methyl-tetrahydropyran, 2,5-dihydro-perfluorohexane, perfluorotriethylamine, 1-hydro-perfluorohexane, 1,6-dihydroperfluorohexane, perfluoro-n-heptane, perfluorodiethylpropylamine, and/or 2-chloro-5-hydro-perfluorohexane.
- The working fluid is most suitable fluid for a Rankine cycle system because its specific heat is greater thus the expander output is greater and because the fluid is less in combustable than usual hydrocarbons, less toxic and has high heat stability.